

**F. Joseph Halcomb III, MD Department of Biomedical Engineering  
Fall 2018 Seminar Series**

**Fridays at 3:00 pm unless otherwise stated\*  
Robotics and Manufacturing Building, Room 323**

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| <b>August</b>    | 31 | <b>*BME Student Orientation.</b> RMB 323, 2:30 pm. All students attend. And at <b>3:00 pm</b> , <b>Fanny Chapelin</b> , Bioengineering, UCSD “ <sup>19</sup> F Magnetic Resonance Imaging platform to quantify T cell therapy biodistribution, persistence and efficacy”   |
| <b>September</b> | 7  | <b>Ayman El Baz</b> , Chair, and <b>Guruprasad Giridharan</b> , Assoc. Chair, Department of Biomedical Engineering, University of Louisville. “Role of Big Data in Personalized Medicine”  |
|                  | 14 | <b>Claudia Angeli</b> , Senior Researcher, Human Locomotion at Frazier Rehabilitation Center, University of Louisville. “Epidural Stimulation for the Restoration of Function following Severe Spinal Cord Injury.”  |
|                  | 21 | <b>*Cardiovascular Research Day</b> , See UK Cardiovascular Research Center website <a href="http://cvrc.med.uky.edu/cardiovascular-research-day">http://cvrc.med.uky.edu/cardiovascular-research-day</a> . Students are encouraged to submit an abstract, and may use one or more of these lectures as one of their outside seminars. |
|                  | 24 | <b>*Ashland Distinguished Lecture Series</b> , WT Young Library, WTYL Alumni Gallery (Rm 1-65), <b>1:30pm – 4:30pm</b> . Students are encouraged to attend, and may use as an outside seminar.   |
| <b>October</b>   | 5  | <b>Howard Roberts</b> , Chief Restorative Dentistry, University of Kentucky. “Dentistry is not all Dentistry”  |
|                  | 12 | <b>Qing Shao</b> , Assistant Professor, Chemical and Materials Engineering, University of Kentucky. “Molecular Understanding and Design of Materials for Biomedical Applications.”   |
|                  | 19 | <b>BMES meeting, no seminar</b>  |
|                  | 26 | <b>George Pantalos</b> , Professor, Cardiovascular and Thoracic Surgery and Bioengineering, University of Louisville. “Developing Surgical Capabilities for Exploration Spaceflight”   |
| <b>November</b>  | 2  | <b>Amit Bhattacharya</b> , Professor of Environmental Health, Biomedical Engineering and Mechanical Engineering, University of Cincinnati Medical College. “A Unique Measure of Bone Quality: Non-invasive, Quick and Inexpensive Tool for Assessing Bone Fragility Associated with Osteoporosis and Heavy Metals.”                    |
|                  | 9  | <b>Janet Walker</b> , Professor, Orthopedic Surgery, University of Kentucky, and Shriners Hospitals. “Advances in Limb Lengthening”  |
|                  | 16 | <b>Lina Sharab</b> , Assistant Professor, College of Dentistry, University of Kentucky. “Reengineering Dentistry.”   |
|                  | 23 | <b>Thanksgiving Holiday, no seminar</b>  |
|                  | 30 | <b>Elie Abu Jawdeh, MD</b> , Assistant Professor, Pediatrics-Neonatology, University of Kentucky. “Intermittent Hypoxemia in Preterm Infants.”   |
| <b>December</b>  | 7  | <b>Ahmed Bahrani</b> , PhD Student, UK BME, “Cerebrovascular Diseases: Methods of Diagnosis” <b>and</b> <b>Scott Thalman</b> , MD/PhD Student, “Blood-Brain Partition Coefficient Correction Improves Gray-White Matter Contrast in Cerebral Blood Flow Measurements in Mice.”   |

**\*NOTE DIFFERENT LOCATION, DAY AND/OR TIME**